NC/QC/YPD/2020-21/KC-C1

Date: 07-01-2021

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**156 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.16%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.65 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Cross Rd-1

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Date: 07-01-2021

NC/QC/YPD/2020-21/KC-PCC1

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	65.75	0 -20	30- 70
10mm	32.25	0 -5	10- 35
4.75mm	4.05	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.35	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.05	60-95	75-100	85-100	
01.18	70.65	30-70	55-90	75-100	
600.mic	45.55	15-34	35-59	60-79	
300.mic	24.19	5-20	8-30	12-40	
150.mic	6.45	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Cross Rd-1

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Date: 11-01-2021

NC/QC/YPD/2020-21/KC-C2

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**162 min**	Shall not be less than 30 min
2	Final setting time	**285 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.11%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.74 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site Kogilu Colony Cross Rd-2

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NC/QC/YPD/2020-21/KC-PCC2

Date: 11-01-2021

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	62.35	0 -20	30- 70
10mm	29.85	0 -5	10- 35
4.75mm	3.55	----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.20	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.55	60-95	75-100	85-100	
01.18	71.65	30-70	55-90	75-100	
600.mic	44.35	15-34	35-59	60-79	
300.mic	22.15	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Cross Rd-2

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NC/QC/YPD/2020-21/KC-CE1 Date: 13-01-2021

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**270 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.84 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.96 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.54 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Opposite to Haj-Bhavan Rd (RHS)

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Date: 13-01-2021

NC/QC/YPD/2020-21/KC-FA2

1. TESTING OF FINE AGGREGATES:

Sub: Testing of Fine Aggregates.
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.15**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.25**	60-95	75-100	85-100	
01.18	**71.05**	30-70	55-90	75-100	
600. mic	**46.80**	15.34	35-59	60-79	
300.mic	**24.50**	5-20	8-30	12-40	
150.mic	**6.35**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**17.66%**	-----
2	Silt Content	---	**0.58%**	Not more than 8%
3	Specific Gravity	---	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Opposite to Haj-Bhavan Rd (RHS)

Page No. 1/1,

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NC/QC/YPD/2020-21/KC-CA2 Date: 13-01-2021

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	**100.00**	100.00	100.00
20 mm	**96.25**	85-100	90 – 100
10 mm	**44.10**	0 - 20	25 – 55
4.75 mm	**3.95**	0 - 5	0 - 10

TABLE 1.2

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1	Flakiness Index	**25.46%**	Not to exceed 25 %
2	Crushing value	**28.73 %**	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Opposite to Haj-Bhavan Rd (RHS)

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NC/QC/VPD/2020-21/KC/S1 Date: 13-01-2021

I. TEST REPORT ON REINFORCEMENT STEEL:

Sub Testing of Reinforcement Steel of diameter 10and 12 mm **TMT Steel.**
(Project Improvements to Roads and Drains at Kogilu Colony In Ward no 05)
Ref. Material testing/PMC/20-21,
Report Required for Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

TABLE – 1

SL No	Details	For 10 mm		For 12 mm	
		Test Results	Min Req as per IS 1786-2008	Test Results	Min Req as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.621**	0.567	**0.892**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**554.0**	500.0	**556.0**	500.0
04	Bend/ Re bend Test	**Ok**	—	**Ok**	—
05	Percentage of Elongation, %	**20.60**	12.00	**21.50**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**646.0**	545.0	**641.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Opposite to Haj-Bhavan Rd (RHS)

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NC/QC/YPD/2020-21/KC-CB1 **Date: 22-01-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub. Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	15-01-21	22-01-21	07	22500	365	16.22	**16.30**
	002	"	"	"	"	360	16.00	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Opposite to Haj-Bhavan Rd (RHS)

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W/Qr/VPD/1030-31/KC/CBI Date: 25-01-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength)
(Project: Improvements to Roads and Drains at Kogilu Colony In Ward no.05)
Ref: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	18-01-21	25-01-21	07	22500	380	16.89	16.89
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	390	17.33	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Layout 5th Cross Rd(Right Side) LHS

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/VPD/2020-21/KC/CB3 Date: 27-01-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength)
(Project*: Improvements to Roads and Drains at Koglu Colony In Ward no 05)
Ref: Material testing/PMC/20-21.
Report Required for: Assistant Executive Engineer,
Vrishabhvathi Project Division,
BBMP, Bangalore
Name of the Agency/Contractor* M/s M.S. Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimension of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K N	Compressive Strength (N/mm^2)	Avg Value
1	001	20-01-21	27-01-21	07	22500	375	16.67	16.74
	002	"	"	"	"	385	17.11	
	003	"	"	"	"	370	16.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site: Koglu Layout 5th Cross Rd(Right Side) RHS

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NC/QC/YPD/2020-21/KC-CB4

Date: 29-01-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength)
(Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no 05.)
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K N	Compressive Strength (N/mm^2)	Avg Value
1	001	22-01-21	29-01-21	07	22500	370	16.44	16.67
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Inside Slum Area

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/VPD/2020-21/KC-CB5

Date: 01-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no 05 }
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-01-21	01-02-21	07	22500	380	16.89	16.81
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	385	17.11	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Cross Rd-3

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NC/QC/YPD/2020-21/KC-CB1A

Date: 15-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	15-01-21	12-02-21	28	22500	500	22.22	**22.44**
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Opposite to Haj-Bhavan Rd (LHS)

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NC/QC/YPD/2020-21/KC-CB2A

Date: 15-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05 }
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	18-01-21	15-02-21	28	22500	525	23.33	**22.96**
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 5th Cross Rd(Right Side) LHS

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NC/QC/YPD/2020-21/KC-CB3A **Date: 17-02-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-01-21	17-02-21	28	22500	495	22.00	22.22
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 5th Cross Rd(Right Side) RHS

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NC/QC/YPD/2020-21/KC-CB4A

Date: 19-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength)
(Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no 05)
Ref: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K N	Compressive Strength (N/mm^2)	Avg Value
1	001	22-01-21	19-02-21	28	22500	505	22.44	22.59
	002	"	"	"	"	520	23.11	
	003	"	"	"	"	500	22.22	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site: Kogilu Colony Cross Rd-3

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NCQC/VPO/2020-21/MC-CB5A Date: 22-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 28days Compressive Strength.

[Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no 05]

Ref: Material testing/PMK/20-21.

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore

Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABULAR:

Sl No	Location Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-01-21	22-02-21	28	22500	515	22.89	22.81
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	525	23.33	

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site: Kogilu Colony Cross Rd-2

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No: QS /NTD/2020-21/KC -01 Date: 08-02-2021

TEST REPORT ON DRY LEAN CONCRETE

(GRADATION TEST)

Sub: To conduct Gradation test on Dry Lean Concrete (DLC) Mix
(Project* Improvements to Roads and Drains at Kogilu Colony In Ward no 05)
Ref. Material testing/PMC/20-21,
Report Required for Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore
Name of the Agency/Contractor* M/s M.S Jathin Infra Pvt Ltd, Bangalore

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
26.50	100	100
19.00	94.25	75-95
9.50	62.10	50-70
4.75	49.35	30-55
2.36	36.80	17-42
0.600	17.55	8-22
0.300	14.35	7-17
0.150	8.75	2-12
0.075	5.40	0-10

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Cross Rd-3

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Date: 11-02-2021

NC/QC/YPD/2020-21/KC-D2

TEST REPORT ON DRY LEAN CONCRETE
(GRADATION TEST)

Sub: To conduct Gradation test on Dry Lean Concrete (DLC) Mix
(Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no 05)
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
	100	100
26.50	100	75-95
19.00	91.30	50-70
9.50	64.15	30-55
4.75	46.25	17-42
2.36	34.80	8-22
0.600	19.45	7-17
0.300	16.05	2-12
0.150	9.65	0-10
0.075	5.25	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site: Kogilu Colony poojamma Temple Surrounding

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/KC-D3

Date: 16-02-2021

TEST REPORT ON DRY LEAN CONCRETE (GRADATION TEST)

Sub: To conduct Gradation test on Dry Lean Concrete (DLC) Mix.
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
26.50	100	100
19.00	89.55	75-95
9.50	64.15	50-70
4.75	48.35	30-55
2.36	33.80	17-42
0.600	18.05	8-22
0.300	15.25	7-17
0.150	10.45	2-12
0.075	7.10	0-10

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Inside Slum Area

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NC/QC/YPD/2020-21/KC-CR1

Date: 26-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	18-02-21	25-02-21	07	22500	515	22.89	**23.41**
	002	"	"	"	"	540	24.00	
	003	"	"	"	"	525	23.33	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony poojamma Temple Surrounding

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NC/QC/YPD/2020-21/KC-CR2

Date: 26-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-02-21	26-02-21	07	22500	530	23.56	**23.70**
	002	"	"	"	"	525	23.33	
	003	"	"	"	"	545	24.22	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Cross Rd-3

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NC/QC/YPD/2020-21/KC-CR1

Date: 01-03-2021

I. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub Testing of Concrete Cubes (for 07days Compressive Strength)
(Project* Improvements to Roads and Drains at Kogilu Colony In Ward no 05)
Ref. Material testing PMC/20-21,
Report Required for Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore
Name of the Agency/Contractor* M/s M S Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg Value
1	001	22-02-21	01-03-21	07	22500	530	23.56	23.33
	002	"	"	"	"	530	23.56	
	003	"	"	"	"	515	22.89	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site Kogilu Colony Front Side Temple (Near Sump Tank)

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NC/QC/YPD/2020-21/KC-CR4 Date: 02-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-02-21	02-03-21	07	22500	530	23.56	**23.48**
	002	‘’	“	‘’	“	520	23.11	
	003	‘’	“	‘’	“	535	23.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Inside Slum Area

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NC/QC/YPD/2020-21/KC-CR5 **Date: 04-03-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-02-21	04-03-21	07	22500	545	24.22	**23.85**
	002	"	"	"	"	530	23.56	
	003	"	"	"	"	535	23.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Poojamma Temple Surrounding

29.3.21

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NC/QC/YPD/2020-21/KC-CR1A

Date: 18-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	18-02-21	18-03-21	28	22500	730	32.44	32.59
	002	"	"	"	"	745	33.11	
	003	"	"	"	"	725	32.22	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Choknahalli Cross Rd

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NC/QC/YPD/2020-21/KC-CR2A **Date: 19-03-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-02-21	19-03-21	28	22500	730	32.44	**32.22**
	002	"	"	"	"	720	32.00	
	003	"	"	"	"	725	32.22	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Poojamma Temple Surrounding

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NEW TECHNOLOGIES TO INNOVATE

No: QC/ YPD/2020-21/KC-CRRA Date: 22-03-2021

LABORATORY TEST REPORT ON CEMENT CONCRETE CUBES

Sub: Testing of Concrete Cubes (for 28days Compressive Strength)

(Name of Work: Improvements to Roads and Drains at Kogilu Colony In Ward no 05)

Ref: Material testing PMC 20-21

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s M S Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen: 150 X 150 X 150mm

Grade of Concrete*: M_{30}

TABULAR:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K N	Compressive Strength (N/mm^2)	Avg. Value
1	001	22-02-21	22-03-21	28	22500	720	32.00	32.52
	002	"	"	"	"	735	32.67	
	003	"	"	"	"	740	32.89	

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site: Kogilu Colony Inside Slum Area

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/KC-CR4A

Date: 23-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-02-21	23-03-21	28	22500	720	32.00	**32.30**
	002	"	"	"	"	725	32.22	
	003	"	"	"	"	735	32.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Kogilu Colony Front Side Temple (Near Sump Tank)

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/KC-CR5A

Date: 25-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at Kogilu Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21.
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-02-21	25-03-21	28	22500	730	32.44	**32.15**
	002	"	"	"	"	725	32.22	
	003	"	"	"	"	715	31.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Choknahalli Cross Rd

NEWZEN CONSULTANT Bangalore

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